

Amendments to the Specification:

Please replace the paragraph on page 11, lines 10 - 25, with the following amended paragraph:

61
G
Once an oligomer is chosen, it can be tested for its tendency to self-dimerize, since self-dimerization may result in reduced efficiency of alteration of genetic information. Checking for self-dimerization tendency can be accomplished manually or, more preferably, by using a software program. One such program is Oligo Analyzer 2.0, available through Integrated DNA Technologies (Coralville, IA 52241) (~~http://www.idtdna.com~~); this program is available for use on the world wide web at

~~http://www.idtdna.com/program/oligoanalyzer/~~

~~oligoanalyzer.asp~~ the Integrated DNA Technologies web site.

For each oligonucleotide sequence input into the program, Oligo Analyzer 2.0 reports possible self-dimerized duplex forms, which are usually only partially duplexed, along with the free energy change associated with such self-dimerization. Delta G-values that are negative and large in magnitude, indicating strong self-dimerization potential, are automatically flagged by the software as "bad". Another software program that analyzes oligomers for

pair dimer formation is Primer Select from DNASTAR,
Inc., 1228 S. Park St., Madison, WI 53715, Phone:
(608) 258-7420

~~(http://www.dnastar.com/products/PrimerSelect.html).~~

G 1
If the sequence is subject to significant self-
dimerization, the addition of further sequence
flanking the "repair" nucleotide can improve gene
correction frequency.